Application No. 10/506,674

Renly to Office Action of June 1, 2006

IN THE CLAIMS

e amend the claims as follows:

Claim 1 (Currently Amended): A reinforcement yarn coated with a sizing composition comprising at least one silane satisfying the following formula:

$$Si(R^1)(R^2)(R^3)(R^4)$$

wherein:

• R<sup>1</sup> and R<sup>2</sup> are <u>identical or different, and are</u> selected from at least one <u>the</u> group consisting of:

-H, -Cl, -O-
$$R^5$$
, -O- $R^6$ -O- $R^5$ , -O-(C=O)- $R^5$ , and -O- $R^6$ -(C=O)- $R^5$ ;

• R<sup>3</sup> is selected from at least one the group consisting of:

Cl, 
$$-O-R^5$$
,  $-O-R^6-O-R^5$ ,  $-O-(C=O)-R^5$ , and  $-O-R^6-(C=O)-R^5$ ;

• R<sup>5</sup> and R<sup>6</sup> are <u>identical or different</u>, and are selected from hydrocarbon radicals having from 1 to 4 carbon atoms in the main chain;

• 
$$R^4 = -R^7 - NHR^8$$
;

• R<sup>7</sup> is selected from branched hydrocarbon radicals having from 2 to 6 carbon atoms in the main chain;

• R<sup>8</sup> is selected from at least one the group consisting of:

• R<sup>9</sup> is selected from hydrocarbon radicals comprising from 1 to 12 carbon atoms or from carbonyls; and

 $\bullet$  R<sup>10</sup> is selected from hydrocarbon radicals having from 1 to 6 carbon atoms in the main chain.

Claim 2 (Currently Amended): The reinforcement yarn as claimed in claim 1, wherein  $R^1 = R^2 = R^3 = [[-CH_3O]] - OCH_3$ , and  $R^4 = -CH_2-CH_2-C(CH_3)_2-CH_2-NH_2$  or

Application No. 10/506,674 Reply to Office Action of June 1, 2006

 $-CH_2-C(CH_3)_2-CH_2-NH_2$ .

Claim 3 (Currently Amended): The reinforcement yarn as claimed in claim 1, wherein the composition further comprises at least one  $\underline{\text{of}} \gamma$ -methacryloxy-propyltrimethoxysilane [[or]] and a vinyl silane.

Claim 4 (Currently Amended): The reinforcement yarn as claimed in claim 1, wherein the composition further comprises at least one bonding agents agent.

Claim 5 (Currently Amended): The reinforcement yarn as claimed in claim 1, wherein the composition further comprises at least one lubricating agents agent.

Claim 6 (Previously Presented): The reinforcement yarn as claimed in claim 1, wherein said yarn is obtained from an alkali-resistant glass.

Claim 7 (Previously Presented): The reinforcement yarn as claimed in claim 1, wherein said yarn is capable of reinforcing plastic materials.

Claim 8 (Currently Amended): A sizing composition for reinforcement yarns, comprising at least one silane satisfying the following formula:

$$Si(R^1)(R^2)(R^3)(R^4)$$

wherein:

• R<sup>1</sup> and R<sup>2</sup> are <u>identical or different, and are</u> selected from at least one <u>the</u> group consisting of:

-H, -Cl, -O-
$$R^5$$
, -O- $R^6$ -O- $R^5$ , -O-(C=O)- $R^5$ , and -O- $R^6$ -(C=O)- $R^5$ ;

Application No. 10/506,674 Reply to Office Action of June 1, 2006

• R<sup>3</sup> is selected from at least one the group consisting of:

Cl, 
$$-O-R^5$$
,  $-O-R^6-O-R^5$ ,  $-O-(C=O)-R^5$ , and  $-O-R^6-(C=O)-R^5$ ;

- R<sup>5</sup> and R<sup>6</sup> are <u>identical or different</u>, and are selected from hydrocarbon radicals having from 1 to 4 carbon atoms in the main chain;
  - $R^4 = -R^7 NHR^8$ ;
- R<sup>7</sup> is selected from branched hydrocarbon radicals having from 2 to 6 carbon atoms in the main chain;
  - R<sup>8</sup> is selected from at least one the group consisting of:
  - -H, -R<sup>9</sup>-NH<sub>2</sub>, and -R<sup>10</sup>-NH-R<sup>9</sup>-NH<sub>2</sub>;
- R<sup>9</sup> is selected from hydrocarbon radicals comprising from 1 to 12 carbon atoms or from carbonyls; and
- ullet R  $^{10}$  is selected from hydrocarbon radicals having from 1 to 6 carbon atoms in the main chain.

Claim 9 (Currently Amended): A composite comprising at least one organic material and/or one inorganic material and the reinforcement yarn as claimed in claim 1 incorporated in said material.

Claim 10 (New): The sizing composition as claimed in claim 8, wherein  $R^1 = R^2 = R^3$ = -OCH<sub>3</sub>, and  $R^4 = -CH_2-CH_2-C(CH_3)_2-CH_2-NH_2$  or -CH<sub>2</sub>-C(CH<sub>3</sub>)<sub>2</sub>-CH<sub>2</sub>-NH<sub>2</sub>.

Claim 11 (New): The composite as claimed in claim 9, wherein  $R^1 = R^2 = R^3 =$ -OCH<sub>3</sub>, and  $R^4 = -CH_2-CH_2-C(CH_3)_2-CH_2-NH_2$  or  $-CH_2-C(CH_3)_2-CH_2-NH_2$ .

## DISCUSSION OF THE AMENDMENT

Claims 1 and 8 have each been amended to recite that each of  $R^1$  and  $R^2$ , and each of  $R^5$  and  $R^6$ , are identical or different, as supported in the specification at page 4, lines 8-10. These claims have further been amended by deleting the term "at least one" before "group" in applicable Markush groups. Claim 2 has been amended to correct the formula for  $R^1$ ,  $R^2$  and  $R^3$ , and is supported by Claim 1. Claim 3 has been amended to clarify that the composition further comprises  $\gamma$ -methacryloxy-propyltrimethoxysilane, a vinyl silane, or both. Claims 4 and 5 have been amended by changing "agents" to --agent--. Claim 9 has been amended to recite that the reinforcing yarn is incorporated in the material, as at least inferentially supported in the specification at the paragraph bridging pages 12 and 13.

New Claims 10 and 11 have been added, corresponding to Claim 2, but dependent on Claims 8 and 9, respectively.

No new matter is believed to have been added by the above amendment. Claims 1-11 are now pending in the application.